

Having thus described the invention, it is now claimed:

1. In a network comprising a plurality of electronic devices, a wireless medium conveying packets between at least first and second electronic devices each capable of transmitting and receiving packets through air, a method comprising the steps of:

interfacing the at least first and second electronic devices;

transmitting a request packet requesting a response from the second electronic device to the first electronic device;

transmitting a response packet from the first electronic device to the second electronic device in response to the request packet;

upon receipt of the response packet by the second electronic device, reading data from an input file;

establishing a data buffer file format at the second electronic device;

transmitting a packet associated with the input data file from the second electronic device to the first electronic device;

verifying correct transmission of the packet associated with the input data file;

completing transmission of the entire input data file; and

terminating transmission upon completion of a predetermined condition.

2. A wireless transmission method comprising the steps of:

transmitting a request packet requesting a response from a second electronic device to a first electronic device;

transmitting a response packet from the first electronic device to the second electronic device in response to the request packet;

transmitting at least one data file packet from the second electronic device to the first electronic device;

verifying correct transmission of the at least one data file packet;

continuing transmission of at least a portion of data file packets from an entire input data file; and

terminating transmission upon completion of a predetermined condition.

3. The method of claim 2 wherein the step of completing transmission of the entire input data file comprises repeating the step of transmitting the at least one data file packet until a respective remainder of packets are sent for completing transmission of the entire input data file.

4. The method of claim 2 wherein the predetermined condition comprises completion of transmission of the entire input data file.

5. The method of claim 2 wherein the second electronic device comprises a client device and wherein the first electronic device comprises at least one network printer, and further comprising the step of outputting the input data file as a print job to be printed by the network printer.

6. The method of claim 2 wherein the input data file is retained at an Internet URL and wherein the step of transmitting at least one data file packet comprises the step of sending

the Internet URL to the first electronic device and wherein the step of continuing transmission comprises downloading the input data file from the URL.

7. The method of claim 6 wherein the second electronic device comprises a client device and wherein the first electronic device comprises at least one network printer, and further comprising the step of outputting the input data file as a print job to be printed by the network printer.

8. The method of claim 6 wherein the first electronic device comprises a network server for accessing the Internet URL and wherein the step of downloading is performed by the network server.

9. A network comprising:
at least first and second electronic devices each capable of wirelessly transmitting and receiving data signals through air;

a port monitor residing on the second electronic device for opening a wireless port and transmitting data to the first electronic device;

a service application residing on the first electronic device for receiving data from the second electronic device, and writing the data to a desired location.

10. The network of claim 9 wherein the second electronic device comprises a client device and wherein the first electronic device comprises a network server in communication with a receiving network device, wherein the service application resides on the network server.

11. The network of claim 10 wherein the receiving network device comprises at least one network printer, and wherein the service application writes the data to the at least one printer as a print job to be printed.

12. The network of claim 10 wherein the client device comprises a spooler including means for originating the data, means for directing the port monitor to open a desired wireless port, and means for sending the data to the network server via the port monitor, wherein upon processing the data, the spooler comprises means for instructing the port monitor to close and disconnect the wireless port.

13. The network of claim 10 wherein the desired location comprises at least one network printer and wherein the service application comprises means for detecting the data, means for opening and writing the data to the network printer, and means for closing the network printer upon receipt of an end-of-data packet.

14. The network of claim 9 wherein the data is at least one of voice signals, computer text and an executable instruction set, and wherein the at least first and second electronic devices comprise respective means for processing the at least one of voice signals, computer text and an executable instruction set.

15. The network of claim 9 wherein the data comprises an Internet URL and wherein the first electronic device comprises means for downloading a data file from the URL.

16. The network of claim 15 wherein the second electronic device comprises a client device and wherein the first electronic device comprises at least one network printer for outputting the data file as a print job to be printed by the network printer.

17. The method of claim 15 wherein the first electronic device comprises a network server for accessing and downloading the data file from the Internet URL.